

AMENDMENTS TO THE SPECIFICATION

Please delete column 1, line 66 to column 3, line 40 in its entirety and substitute therefor:

To accomplish the above objects, one aspect of the present invention is to provide a character display apparatus for an optical disc player. The apparatus includes a detection and separation unit to detect recorded data including a first font data from an optical disc, and to separate said first font data from the detected recorded data, a memory to store the first font data output from said detection and separation unit, a character generation unit to generate character signals for characters of a selected language for a subtitle by using the first font data stored in said memory, and a controller coupled to the character generation unit, to cause the character generation unit to generate the character signals for the characters of the selected language for character subtitle processing selected from multiple languages to be used in the character subtitle processing on the basis of the first font data. Further, the first font data is downloaded from the optical disc and stored in the memory such that the stored first font data is separate from the characters of the selected language before the character generation unit generates the characters of the selected language.

In another aspect, the present invention provides a character display method for an optical disc player. The method includes detecting recorded data including first font data recorded in an optical disc, and outputting said detected recorded data as output signals, processing the output signals, and outputting video signals, separating the first font data from the video signals, and outputting the separated first font data, storing the first font data in a first memory, and outputting character signals of characters for a selected language for character subtitle processing by using the first font data stored in said first memory. Further, the first font data is downloaded from the optical disc and stored in the first memory such that the stored first font data is separate from the characters of the selected language before the outputting step outputs the characters of the selected language.

In yet another aspect, the present invention provides a character display method for an optical disc player. The method includes determining whether first font data corresponding to at least some of multiple languages to be used in character subtitle processing are recorded in an optical disc, storing the first font data in a first memory, if the first font data corresponding to characters of languages for the character subtitle processing are stored in said optical disc, and outputting character signals for characters of a selected language for the character subtitle processing according to the first font data stored in said first memory when one of said multiple languages is selected, and outputting the character signals for the characters of the selected language using second font data of the selected language from a second memory if the first font data of the selected language are not recorded in said disc. Further, the first font data is downloaded from the optical disc and stored in the first memory such that the stored first font data is separate from the characters of the selected language before the outputting step outputs the characters of the selected language.

In still another aspect character display apparatus for an optical disc player, and which includes a data separator to separate first font data to be used in character subtitle processing from a predetermined area of an optical disc, a first memory to store the separated first font data, a second memory to store predetermined second font data to be used in the character subtitle processing, a character generator to generate character signals for characters of a selected language for the character subtitle processing from the first or second font data stored in the first or second memories, respectively, and a controller to cause the character generator to generate the character signals for the characters of the selected language for the character subtitle processing from the first or second font data stored in the first or second memories, respectively, thereby outputting the character signals for the characters of the selected language for the character subtitle processing selected from multiple languages to be used in the character subtitle processing on the basis of said first or second font data.

In another aspect, the present invention provides a character display method for an optical disc player, and which includes selecting a language for subtitle processing from multiple languages, separating first font data from other data read from a disc, storing the separated first font data in a first memory, and generating character signals from the stored first font data or from predetermined second font data stored in a second memory, thereby outputting character signals for characters of the selected language to be used in the character subtitle processing on the basis of said first or second font data. Further, the first font data is downloaded from the disc and stored in the first memory such that the stored first font data is separate from the characters of the selected language before the generating step outputs the characters of the selected language.

In another aspect, the present invention provides a system for generating character signals for a selected language of a subtitle recorded in an optical disc, said optical disc including at least a predetermined area on which first font data for generating character signals to be used in character subtitle processing are located. The system includes an optical pickup to read recorded data including the first font data to be used in the character subtitle processing, a data processor to process the first font data read from the optical pickup, a first memory to store the first font data, a second memory to store predetermined second font data to be used in the character subtitle processing, a character generator to generate the character signals for characters of the selected language for the character subtitle processing from the first or second font data stored in the first or second memories, respectively, and a controller to cause the character generator to generate the character signals for the characters of the selected language from the first or second font data stored in the first or second memories, respectively, based on the selected language, thereby outputting the character signals for the characters of the selected language from multiple languages to be used in the character subtitle processing on the basis of the first or second font data. Further, the first font data is downloaded from the optical disc and stored in the first memory such that the stored first font data is separate from the characters of the selected language before the controller outputs the characters of the selected language.

In another aspect, the present invention provides an apparatus for an additional contents display of an optical disc player, and which includes a detector to detect additional contents data associated with a main title of an optical disc, the additional contents data including a first font data, a first memory to store the detected additional contents data, a processor to process said additional contents data stored in the first memory to generate specific presentation data, and a controller to control the processor to process the additional contents data to display a specific content associated with the main title by using said specific presentation data. Further, the processor process the additional contents data including the first font data stored in the first memory of the optical disc player, the first font data being different than a second font data predetermined for the main title, and the first and second font data are different than text data.

In yet another aspect, the present invention provides a method for an additional contents display of an optical disc player, and which includes detecting additional contents data associated with a main title of an optical disc, the additional contents data including a first font data, storing the detected additional contents data in a first memory, processing the stored additional contents data to generate specific presentation data, and outputting the specific presentation data for displaying a specific content associated with the main title by using the specific presentation data. Further, the processing step uses the additional contents data including the first font data stored in the first memory of the optical disc player, the first font data being different than a second font data predetermined for the main title, and the first and second font data are different than text data.